

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	508/291.ccls. and disperant and viscosity near5 modifier and (anhydride or ester or monocarboxylic acid or dicarboxylic acid) near5 (alkenyl or polyalkenyl or hydrocarbon or polyisobutylene)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/01/22 14:59
L3	1	508/291.ccls. and disperant and viscosity near5 modifier and (anhydride or ester or monocarboxylic acid or dicarboxylic acid) near5 (alkenyl or polyalkenyl or hydrocarbon or polyisobutylene) near (amine or polyamine)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/01/22 14:59
L4	6	(lubricate or lubricant or lubricating) and disperant and viscosity near5 modifier and (anhydride or ester or monocarboxylic acid or dicarboxylic acid) near5 (alkenyl or polyalkenyl or hydrocarbon or polyisobutylene) near (amine or polyamine)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/01/22 15:00
S1	313	gutierrez-antonio.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:05
S2	174	gutierrez-antonio.in. and mineral oil and olefin	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:06
S3	171	gutierrez-antonio.in. and mineral oil and olefin and dispersant	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:07
S4	130	gutierrez-antonio.in. and mineral oil and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:08
S5	117	gutierrez-antonio.in. and mineral oil and olefin and dispersant same nitrogen and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:09
S6	117	gutierrez-antonio.in. and mineral oil and (olefin same (polymer or copolymer)) and dispersant same nitrogen and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:09

EAST Search History

S7	49	gutierrez-antonio.in. and mineral oil and (olefin same (polymer or copolymer)) and dispersant same nitrogen and succinimide and (group I or group II or group III)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:10
S8	2	gutierrez-antonio.in. and mineral oil same (group I or group II or group III) and (olefin same (polymer or copolymer)) and dispersant same nitrogen and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:16
S9	1	"6869919".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:14
S10	2	gutierrez-antonio.in. and mineral oil same (group I or group II or group III) and (olefin same (polymer or copolymer)) and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:16
S11	2	gutierrez-antonio.in. and mineral oil same (group I or group II or group III) and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:17
S12	139	emert-jacob.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:17
S13	79	emert-jacob.in. and mineral oil and olefin	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:17
S14	79	emert-jacob.in. and mineral oil and olefin and dispersant	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:17
S15	68	emert-jacob.in. and mineral oil and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:17
S16	39	emert-jacob.in. and mineral oil and olefin and dispersant and succinimide and (group I or group II or group III)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:18
S17	2	emert-jacob.in. and mineral oil same (group I or group II or group III) and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:18

EAST Search History

S18	0	ritchie-andrew.in. and mineral oil same (group I or group II or group III) and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:19
S19	0	ritchie-andrew.in. and mineral oil and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:19
S20	0	ritchie-andrew.in. and mineral oil and olefin	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:19
S21	10	ritchie-andrew.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:19
S22	2	ritchie.in. and mineral oil same (group I or group II or group III) and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:19
S24	1	minotti-michael.in. and mineral oil same (group I or group II or group III) and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:20
S25	1	minotti-michael.in. and mineral oil and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:20
S26	2	minotti-michael.in. and mineral oil and olefin	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:20
S27	66	infineum.as. and mineral oil and olefin	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:21
S28	34	infineum.as. and mineral oil and olefin and dispersant and succinimide	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:21
S29	16	infineum.as. and mineral oil and olefin and dispersant and succinimide and (group I or group II or group III)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:38
S30	1	"6187721".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:41

EAST Search History

S33	1	ep-1318189-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:45
S34	1	ep-1387066-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:49
S35	1	"6715473".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:47
S37	1	ep-1398365-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:52
S38	1	wo-9747709-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/06/19 11:54
S39	128	mineral oil same (group I or group II or group III) and (olefin or polyolefin) same (polymer or copolymer) and dispersant same (succinimide or succinic anhydride or (carboxylic acid near5 (anhydride or ester) near5 polyamine))	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:15
S40	128	mineral oil same (group I or group II or group III) and (olefin or polyolefin) same (polymer or copolymer) and dispersant same (succinimide or succinic anhydride or (carboxylic acid near5 (anhydride or ester) near5 polyamine)) and (lubriate or lubricant or lubricating)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 11:57
S41	22	mineral oil same (group I or group II or group III) and (olefin or polyolefin) same (polymer or copolymer) and dispersant same (succinimide or succinic anhydride or (carboxylic acid near5 (anhydride or ester) near5 polyamine)) and (lubriate or lubricant or lubricating) and (alkyl amine or alkyl amide or aryl amide or aryl amine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 12:37

EAST Search History

S42	2	508/291.ccls. and mineral oil same (group I or group II or group III) and (((olefin or polyolefin) near5 polymer or copolymer) or ethylene-propylene copoylmer) same (amine amide or ester linakges or (nitrogen near4 heterocyclic)) and dispersant same (succinimide or succinic anhydride)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 12:56
S43	10	mineral oil same (group I or group II or group III) and (((olefin or polyolefin) near5 polymer or copolymer) or ethylene-propylene copoylmer) same (amine amide or ester linakges or (nitrogen near4 heterocyclic)) and dispersant same (succinimide or succinic anhydride)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 12:44
S44	6	S43 not S41	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 12:45
S45	7	mineral oil same (group I or group II or group III) and (((olefin or polyolefin) near5 polymer or copolymer) or ethylene-propylene copoylmer) same (amine amide or ester linakges or (nitrogen near4 heterocyclic)) and dispersant same (carboxylic acid and anhydride and polyamine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 13:48
S50	1	mineral oil and olefin and (group I or group II or group III) and carboxylic acid and anhydride and polyamine	EPO; JPO; DERWENT	ADJ	ON	2006/06/19 13:51
S51	4	mineral oil and olefin and carboxylic acid and anhydride and polyamine	EPO; JPO; DERWENT	ADJ	ON	2006/06/19 14:01
S52	344	succinimide same anhydride	EPO; JPO; DERWENT	ADJ	ON	2006/06/19 14:02
S53	1833	succinimide same anhydride and polyamine	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:02
S54	1001	succinimide same anhydride same polyamine	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:02
S55	188	succinimide same anhydride same polyamine same carboxylic acid	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:03
S56	126	succinimide same anhydride same polyamine same carboxylic acid	USPAT	ADJ	ON	2006/06/19 14:05

EAST Search History

S57	1602	anhydride same polyamine same carboxylic acid	USPAT	ADJ	ON	2006/06/19 14:06
S58	12	anhydride near3 polyamine near3 carboxylic acid	USPAT	ADJ	ON	2006/06/19 14:06
S59	77	mineral oil same (group I or group II or group III) and (olefin or polyolefin) same (polymer or copolymer) and dispersant same (anhydride and (carboxylic acid or dicarboxylic acid) and polyamine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:18
S60	77	mineral oil same (group I or group II or group III) and (olefin or polyolefin) same (polymer or copolymer) and dispersant same (anhydride and (carboxylic acid or dicarboxylic acid) and polyamine) and (lubricant or lubricate or lubricating)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:19
S61	70	mineral oil same (group I or group II or group III) and (olefin or polyolefin) same (polymer or copolymer) and dispersant same (anhydride and (carboxylic acid or dicarboxylic acid) and polyamine) and "508"/\$.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:20
S62	49	mineral oil same (group I or group II or group III) and ((olefin or polyolefin) same (polymer or copolymer)) same (amine or amide) and dispersant same (anhydride and (carboxylic acid or dicarboxylic acid) and polyamine) and "508"/\$.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 14:36
S63	34	mineral oil same (group I or group II or group III) and ((olefin or polyolefin) same (polymer or copolymer)) same (amine or amide) and dispersant same (anhydride same (carboxylic acid or dicarboxylic acid) same polyamine) and "508"/\$.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 15:29
S64	1	"6573223".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 15:36
S65	1	"6583092".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:44
S66	1	"6784143".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 15:59

EAST Search History

S69	1	"6872693".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 16:06
S70	1	"6869919".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:36
S71	1	"6333298".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 16:10
S73	1	"6715437".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 16:12
S74	1	"6743757".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 16:12
S75	2	"3202678".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:37
S76	2	"3154560".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:39
S77	2	"3172892".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:40
S78	2	"3024195".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:41
S79	2	"3024237".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:42
S80	2	"3219666".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:46
S81	2	"3216936".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/19 17:46
S82	1	aryl amine same ethylene-propylene copolymer same maleic anhydride same grafted	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:45
S83	1	aryl amine same ethylene-propylene copolymer	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:45
S84	1	aryl amine same maleic anhydride same grafted	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:45

EAST Search History

S85	1	aryl amine same maleic anhydride same grafted	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/06/20 10:45
S86	1	aryl amine same ethylene-propylene copolymer same maleic anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:53
S87	1	(aryl or phenyl) near3 amine same ethylene-propylene copolymer same maleic anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:54
S88	7	(aryl or phenyl) near3 amine same (ethylene-propylene copolymer or olefin near2 polymer) same maleic anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:57
S89	2	viscosity index improver same (aryl or phenyl) near3 amine same ((olefin or ethylene or propylene) near2 (polymer or copolymer)) same maleic anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 10:59
S90	26	(aryl or phenyl) near3 amine same ((olefin or ethylene or propylene) near2 (polymer or copolymer)) same maleic anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 12:58
S91	0	N-phenyl phenylene diamine near5 molecular weight	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 12:58
S92	1	N-phenyl phenylene diamine same molecular weight	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 16:01
S93	805	ethylene-propylene copolymer same amorphous	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 16:01
S94	17	ethylene-propylene copolymer same amorphous and ssi	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 16:29
S95	1	"4804794".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 17:30
S96	71	diesel engine near5 exhaust gas recirculation system	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/20 17:31